

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-11 10:58:48
 Date of Next Testing: 2026-10-10 10:58:48
 Product Name: **Tributylhexadecylphosphonium Bromide**
 CAS Number: 14937-45-2
 Specifications & Purity: $\geq 98\%$ (T)
 Lot #: I2227782
 SKU # **T162757**
 Version **0**
 Analysis #: **134822**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(O ₂ AgNO ₃ titration with after combustion)	97.5-102.5 (%)	97.68000 %
Melting point	59-64 (°C)	61.66000 °C
Appearance (t162757)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager